



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 04091138 A

(43) Date of publication of application: 24.03.92

(51) Int. Cl. C08J 5/18

(21) Application number: 02208835

(22) Date of filing: 06.06.90

(71) Applicant: FUJIMORI KOGYO KK

(72) Inventor: ICHIKAWA RINJIRO
ARAI KOZO
KAMEDA TAKAO

(54) PRODUCTION OF KERATIN FILM

(57) Abstract:

PURPOSE: To produce a high-quality keratin film having suppressed hydrolysis of wool protein by dissolving wool in thioglycolic acid, making the solution into a film, drying and then cleaning the prepared film with water under an unheated state.

CONSTITUTION: Wool is dissolved in 100% thioglycolic acid into 0.1-30wt.% solution at 40-90°C, optionally an

insoluble content is removed by a means such as filtration, the solution is made into a film, which is dried, for example, under a little reduced pressure at 40-90°C for 1-2 hours to vaporize thioglycolic acid, the prepared film is washed with water under an unheated state to give a high-quality keratin film having suppressed hydrolysis of wool protein, high molecular weight and high strength free from deterioration.

COPYRIGHT: (C)1992,JPO&Japio